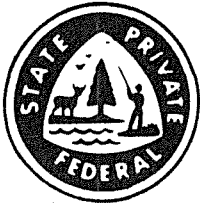
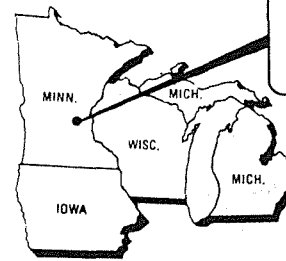


US DEPARTMENT OF AGRICULTURE
FOREST SERVICE



*Northeastern Area
State & Private Forestry*
DIVISION OF FOREST PEST CONTROL

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JACK-PINE BUDWORM DEFOLIATION ON
THE NICOLET NATIONAL FOREST - 1970

By Glen W. Erickson

INTRODUCTION

The current outbreak of the Jack-pine budworm, Choristoneura pinus pinus Freeman, started in 1966 on state land near Conover, Wisconsin.

In 1968 heavy budworm defoliation was found in all jack pine types in T42N, R11E and T32-33N, R17E.

Last year (1969) moderate defoliation occurred to 3 major jack-pine areas. (T42N, R11E; T31, 32, 33, R17E)

METHODS

The survey was flown July 27, 1970, in the Forest Service Aero-Commander. Flights were in a north-south direction, in parallel lines 4 miles apart; 1,000 feet above the ground; at 120 m.p.h. Defoliation was classed as follows:

Light - browning barely visible

Moderate - browning obvious, but green foliage predominates.

Heavy - Most of the foliage brown with some green foliage visible.

RESULTS

Light to moderate defoliation occurred to 2 major jack-pine areas, (T31N, R17E and T32-33N, R17E) in 1970. Generally, light defoliation of the current shoots was observed. Moderate defoliation was confined to scattered individual and/or small groups of trees.

Light defoliation of the current shoots occurred in T41N, R11E.

